Restricting Communication of Selected Processes to a Set of Specific Network Addresses

Abstract of the Disclosure

5   Selected processes are associated with sets of specific network addresses, and the associations are stored. When a selected process creates a child process, an association between the child process and the set of network addresses with which the parent process is associated is stored. When a selected process is deleted, the association between the selected process and its set of network addresses is deleted. Each selected process is

10   restricted to network address-based communication via its associated set of network addresses. Certain communication protocol subroutines associated with network address-based communication are intercepted by an interception module. The interception module detects attempts by selected processes to communicate via network addresses. If a selected process attempts to communicate via an unassociated network addresses, the

15   attempted communication is prohibited.